

H distributor - QPD H 3PE2,5 6-10 BK - 1582145

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QUICKON H-distributor, black, 3 pos. +PE, 1.0 mm² ... 2.5 mm² / 630 V / 20 A, for cable diameters of 6 mm ... 10 mm, with a sealing bolt.

Product Features

- ✓ Innovative and time saving - QUICKON fast connection for time saving of up to 80% for on-site connection
- ✓ Convenient: quick and easy assembly without special tools
- ✓ Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- ✓ Safer connection thanks to polarization against mismatching and touch-proof protection according to DIN EN 0105
- ✓ Flexible and compact - by connecting connections internally, H and T-distributors can be used to branch master cables or they can be used as star distributors



Key commercial data

Packing unit	1 PCE
Catalog page	Page 94 (PC-2011)
GTIN	 4 046356 316804
Custom tariff number	85366990
Country of origin	GERMANY

Technical data

General characteristics

Design	H-distributor
Color	black
Locking type	Screw locking
Connection method	QUICKON connection
Connection method	IDC connection
Number of positions	4

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Technical data

General characteristics

Note number of positions	3+PE
Wrench size, union nut	22 mm
Tightening torque, union nut	5 Nm
Number of connections	4
Conductor cross section stranded min.	1 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	1 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	16
Conductor cross section AWG/kcmil max	14

Conductor data

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6 / min. 0.15 mm
Wire insulation material	PVC/PE/TPE/rubber
Wire diameter including insulation	2.5 mm ... 3.8 mm
External cable diameter	6 mm ... 10 mm

Environmental conditions

Degree of protection	IP68/IP69K
Ambient temperature (operation)	-40 °C ... 80 °C (See also derating-diagram)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Temperature when conductor connected	-5 °C ... 50 °C

Electrical characteristics

Nominal current I _N	20 A
Rated current	20 A (See also derating-diagram)
Rated voltage (III/3)	690 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	8 kV

Mechanical characteristics

QUICKON connectability	max. 10
Insertion/withdrawal cycles	50 (Quickon connections max. 10)

Material data

Contact material	Cu
Contact surface material	Silver-plated

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Technical data

Material data

Contact carrier material	PA
Insulating material	PA
Inflammability class according to UL 94	V0
Surge voltage category	III
Pollution degree	3

Classifications

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002635
ETIM 5.0	EC002635

UNSPSC

UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209

Approvals

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VDE Zeichengenehmigung / IECCEB Scheme / UL Listed / cUL Listed / GOST / cULus Listed


Ex Approvals


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Approvals


Approvals submitted

Approval details

VDE Zeichengenehmigung 	
mm ² /AWG/kcmil	1.5-2.5
Nominal current I _N	20 A
Nominal voltage U _N	690 V

IECEE CB Scheme 	
mm ² /AWG/kcmil	1-2.5
Nominal current I _N	20 A
Nominal voltage U _N	690 V

UL Listed 	
mm ² /AWG/kcmil	16
Nominal current I _N	10 A
Nominal voltage U _N	600 V

cUL Listed 	
mm ² /AWG/kcmil	16
Nominal current I _N	10 A
Nominal voltage U _N	600 V

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Approvals



Accessories

Accessories

Marking

Engraving material - GPE 13X 9 WH - 0806932



Engraving material, Sheet, white, Unlabeled, Can be labeled with: Gravur, Plotter, Mounting type: Adhesive, Lettering field: 13 x 9 mm

Plug/Adapter

Coding profile - CP-QPD - 1582459



Coding profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.

Protection and sealing elements

Closing cap - SEALING PLUG 10X16 RD - 1400284



Closing cap, for closing unused bore holes in multiple seals and cable glands, diameter 10 mm

Tools

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Accessories

Socket wrench - QSS 22 - 1670206



Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm

Assembly clip - QPD CLIP 2,5 BK - 1582235



Holding clip for Quickon-H distributor, for snapping on and removal without tools.

Protective cap - QPD QSK 2,5 FS - 1582488



Plastic protective cap, for QPD-QUICKON connectors, green, with holding band, IP68

Plug-in connector - QPD P 3PE2,5 6-10 BK - 1582202



QUICKON-plug-in connector, black, 3+PE-pos., 1.0 mm² ... 2.5 mm²/630 V/20 A, with QUICKON nut, for cables with a diameter of 6 mm ... 10 mm.

Plug-in connector - QPD P 3PE2,5 9-14 BK - 1582205

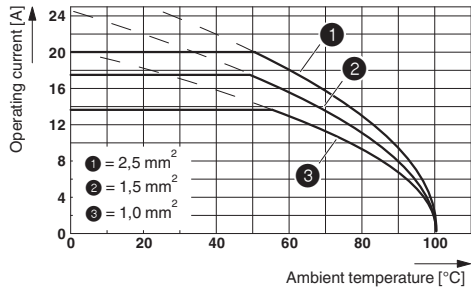


QUICKON plug-in connector, black, 3+PE-pos., 1.0 mm² ... 2.5 mm²/630 V/20 A, with QUICKON nut, for cables with a diameter of 9 mm ... 14 mm.

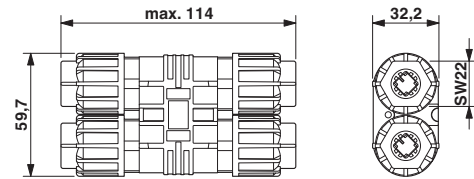
Drawings

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Diagram

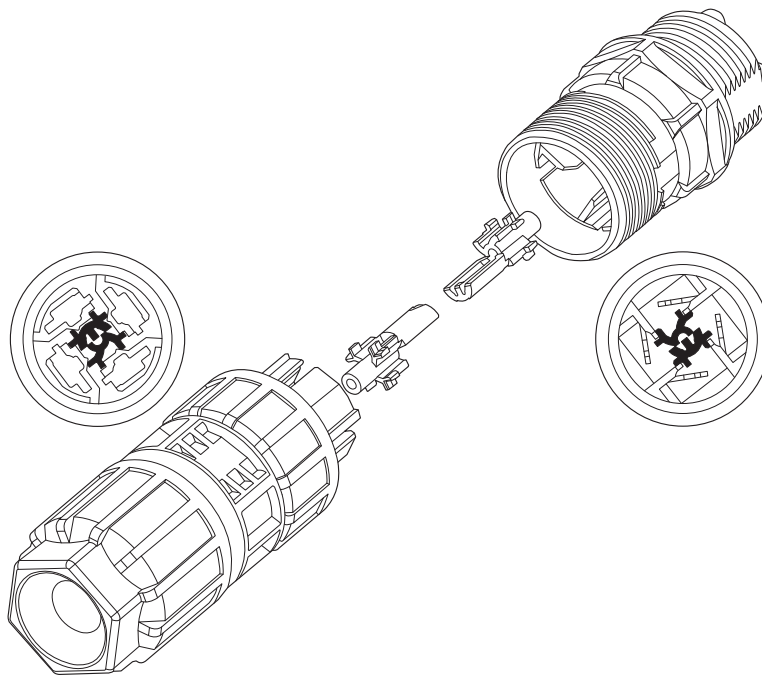


Dimensioned drawing



Dimensional drawing

Schematic diagram



Coding of the QUICKON plug-in connection